



Application No. 09/982,010

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Art Unit: 3626

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AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A medical diagnosis system for prevention and early detection of diseases in healthy persons, comprising:

at least one user terminal located in a home or office and operated by a user;

at least one physician terminal located in a hospital or clinic and operated by a physician; and

center equipment located in a medical center for receiving and processing the medical information sent ~~by the user~~ from said user terminal and said physician terminal; and

~~at least one physician terminal for communicating with said center equipment to exchange the medical information;~~

said user terminal including:

~~a detecting biological unit~~ detecting units for detecting biological information of a user in the form of electric signals,

a monitoring unit for ~~monitoring~~ displaying circumstances of detection including biological information detected by said detecting units,

a user terminal communication unit for sending the user's medical information including the detected biological information to said center equipment, and for receiving the medical information from the center equipment;

said center equipment including:

a first data storage unit for storing medical treatment information about a plurality of users and information about a plurality of physicians,

~~a medical center communications unit for receiving said user's medical information sent from said user terminal equipment;~~

a data-analyzing unit for analyzing said user's medical information received by said center communications unit and producing an analyzed sent by said user's terminal to produce a diagnostic result,

~~a control unit for producing a diagnostic result corresponding to the analyzed result of said user's medical information;~~

a second data storage unit for storing doctor's questions selectable according to the analyzed result,

a data extracting unit for reading selected ones of the doctor's questions from said second data storage unit, and for selecting at least one physician among said plurality of physicians stored in said first data storage unit,

~~the a medical center communications unit linked to for communicating with said user terminal and/or said physician terminal to send said medical information including said diagnostic result and said selected ones of the doctor's questions, to receive answers from said user terminal to said selected ones of the doctor's questions, and to send an advice to the user to have a close examination along with a message of introduction of a suitable physician when the diagnostic result indicates a non-emergency abnormality condition; and~~

a control unit for controlling said analyzing unit, first data storage unit, second data storage unit, and data extracting unit;

said physician terminal including:

a physician communication unit for receiving said user's medical information sent from said center equipment, and also for sending said user's medical information of the physician side to said center equipment,

wherein said center equipment is so configured that the control unit of said center equipment, when receiving the biological information of the user sent from the user terminal, allows the analyzing unit to analyze the biological information of the user with reference to medical treatment information stored in the first data storage unit to determine the health condition of the user classified into at least three categories, including:

(a) not particular,

(b) abnormal but no need for emergency care, and

(c) abnormal and need for emergency care;

wherein said control unit allows said center equipment to send results analyzed by said analyzing unit to the user terminal, and

when the health condition of the user is classified into category (b), the control unit allows the data extracting unit to select or read out the doctor's questions appropriate to the health condition of the user, and allows said center equipment to send the selected questionnaires to the user terminal together with the analyzed result of said analyzing unit to request the user to complete the questionnaires on a screen of the user terminal.

2. (Currently Amended) A diagnostic processing method for preventing and early identification of diseases in healthy persons, comprising the steps of:

detecting biological information including blood pressure, a heart rate, body temperature and weight of a user, with biological information detecting units connected to a user terminal;

allowing the user to manually write medical information which is unable to be detected by the biological information detecting unit;

repeating the detection of the biological information until the biological information of the user is completed;

sending the completed biological information and manually written medical information from the user terminal to a center equipment through the communication network;

allowing the center equipment to analyze ~~analyzing~~ said biological information and medical information ~~medical information~~ of [[a]] the user sent from [[a]] the user terminal;

determining the health condition of the user based on said biological information of the user, said manually written medical information and stored medical information, thereby classifying the health condition of the user into three categories:

- (a) not particular,
- (b) abnormal but no need for emergency care, and
- (c) abnormal and need for emergency care;

~~carrying on diagnosis of the selecting doctor's questions for the user who had has~~ been determined as being abnormal but ~~who has~~ requiring no need for emergency treatment care, by use of a diagnostic result based on said biological information and medical

~~information of the user; in combination with received answers to a doctor's questions selected based on an analyzed result, the received answers to the doctor's questions also being sent by the user from the user terminal; and~~

~~sending the analyzed result and the selected doctor's questions to the user terminal through the communication unit.~~

~~sending an advice to the user to have a close examination along with a message of introduction of a suitable physician.~~

3. (Previously Presented) The diagnostic processing method according to claim 2, further comprising the steps of:

analyzing the user's medical information sent from the user terminal to determine the health condition of the user categorized into three cases, (a) not particular, (b) abnormal but no need to emergency care, and (c) abnormal and need to emergency care;

sending a determined result to the user in case of the category (a), and sending the doctor's questions determined based on said analyzed results to the user to request answers to said doctor's questions in case of the category (b), and sending a request for medical treatment to a suitable physician selected based on said analyzed result in case of the category (c);

wherein, in case of the category (b), said method further including the steps of analyzing the received answers to said doctor's questions to determine a health condition of the user categorized into three cases, (a) not particular, (b) abnormal, but no need for

emergency care, and (c) abnormal and need for emergency care; and sending the determined result along with health advice to the user in case of the category (a), and sending a request for medical treatment to a suitable physician selected based on said determination in case of said category (c).

4. (Previously Presented) The medical diagnosis system according to claim 1, wherein the monitoring unit of the user terminal allows the user to observe the detected information.

5. (Currently Amended) The medical diagnosis system according to claim 1, wherein the control unit of the user terminal allows biological information-detecting units to detect biological information including blood pressure, a heart rate, body temperature and weight of a user, allows the user to manually write medical information which is unable to be detected by the biological information detecting unit, determines whether or not the biological information of the user is defective, and if when the control unit of the user terminal determines that the biological information is defective, the control unit of the user terminal gives a signal to allows the detecting biological unit to repeat the detection of the biological information until complete biological data are obtained, and

wherein the control unit of the user terminal allows the user terminal to send the completed biological information and manually written medical information from the user terminal to the center equipment through the communication network.

6. (Previously Presented) The medical diagnosis system according to claim 1, the user terminal further comprising an input/output unit constructed so that the user's medical information including the biological information can be written therein.

7. (Previously Presented) The medical diagnosis system according to claim 1, the user terminal further comprising an input/output unit constructed so that the user is able to input written answers to the selected ones of the doctor's questions.

8. (Currently Amended) The medical diagnosis system according to claim 1, wherein the center equipment is adapted to terminate a diagnostic process, further comprising the step of terminating the diagnostic processing if no necessity of when a need for no emergency treatment is recognized, and the sending of the selected ones of the doctor's questions has been confirmed.

9. (Previously Presented) The diagnostic processing method according to claim 2, further comprising the step of enabling the user to enter the user's medical information including the biological information in written form.

10. (Previously Presented) The diagnostic processing method according to claim 2, further comprising the step of enabling the user to enter answers to the selected ones of the doctor's questions in written form.

11. (Currently Amended) The diagnostic processing method according to claim 2, further comprising the step of terminating the diagnostic processing ~~if no necessity of~~ when a need for no emergency treatment is recognized and sending of the doctor's questions has been confirmed.